Year 6 – Autumn Block 2 – Four Operations – Order of Operations

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 6: (6C9) Use their knowledge of the order of operations to carry out calculations involving the four operations

More <u>Year 6 Four Operations</u> resources.

Did you like this resource? Don't forget to review it on our website.



Year 6 – Autumn Block 2 – Four Operations

Step 13: Order of Operations





Introduction

Complete the calculations.

A. $3^3 = 9$ E. $11 \times 7 = 77$

B. $9^2 = 81$ F. $8^2 = 64$

C. 12 x 9 = 108

G. $5^3 = 125$

D. 48 + 27 = 75 H. 159 - 78 = 81



Match the calculation to the correct answer.



Match the calculation to the correct answer.





Find the missing number.





Find the missing number.

3 + 28 ÷ 4 = 10







Add brackets to each calculation to make them correct.





Add brackets to each calculation to make them correct.

Use the following numbers to create a calculation with the answers below.



Answer	Calculations
144	
84	



Use the following numbers to create a calculation with the answers below.



Answer	Calculations
144	3 x 12 x 4
84	(3 + 4) x 12



Reasoning 1

Josh is completing this calculation:

8 x 5 + 20 ÷ 10

The answer is 6. I did 8 x 5 = 40, then 40 + 20 = 60, then 60 ÷ 10 = 6.



Is he correct? Explain how you know.



Reasoning 1

Josh is completing this calculation:

8 x 5 + 20 ÷ 10

The answer is 6. I did 8 x 5 = 40, then 40 + 20 = 60, then 60 ÷ 10 = 6.



Is he correct? Explain how you know. Josh is incorrect...



Reasoning 1

Josh is completing this calculation:

8 x 5 + 20 ÷ 10

The answer is 6. I did 8 x 5 = 40, then 40 + 20 = 60, then 60 ÷ 10 = 6.

Is he correct? Explain how you know.

Josh is incorrect, the answer is 42. Multiplication and division come first, then subtraction and addition. $8 \times 5 = 40$, $20 \div 10 = 2$, then 40 + 2 = 42.

Josh



Work out which child has which calculation from their given answers.



Work out which child has which calculation from their given answers.



